

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-6 (Cancelled)

7. (Currently Amended) The A bearing with a noncontact signal transfer mechanism ~~according to claim 1, transmitting a signal from a rotary shaft to a fixed shaft,~~ comprising:

a power generation circuit generating power between said rotary shaft and said fixed shaft, said power generation circuit comprising a power feed coil wound around a yoke provided at said fixed shaft, and a power receiving coil wound around a yoke provided at said rotary shaft, wherein a magnetic path is formed between the yoke of said fixed shaft and the yoke of said rotary shaft to provide a current flow to said power receiving coil,

a signal transfer circuit configured to be responsive to the power generated by said power generation circuit to transfer a signal from said rotary shaft to said fixed shaft,

a power supply circuit for supplying an alternating current to said power feed coil,
and

a power receiving circuit for receiving said alternating current through said power receiving coil to rectify the received current for a sensor,

wherein said signal transfer circuit comprises

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a transmission circuit provided at said rotary shaft to transmit a signal by radio waves, and

a reception circuit provided at said fixed shaft to receive a signal transmitted from said transmission circuit.

Claims 8 and 9 (Cancelled)

REMARKS


At the time of the Office Action dated May 29, 2003, claims 1 and 4-9 were pending in this application. Of those claims, claims 1, 4-6, 8 and 9 have been rejected under 35 U.S.C. §103(a). Applicant acknowledges, with appreciation, the Examiner's indication that claim 7 would be allowable if rewritten in independent form.

In this Amendment, claim 7 has been amended to place it in independent form based on claim 1, and claims 1, 4-6, 8 and 9 have been canceled. Accordingly, entry of the present Amendment and Remarks, and favorable consideration, are respectfully solicited pursuant to the provisions of 37 C.F.R. §1.116. If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, Examiner is requested to call Applicants' attorney at the telephone number shown below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT, WILL & EMERY


Stephen A. Becker
Registration No. 26,527

600 13th Street, N.W.
Washington, DC 20005-3096
(202) 756-8000 SAB:TT:jdj
Facsimile: (202) 756-8087
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